

PCTWORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : C12N 15/48, C07K 14/15, A61K 39/21, C07K 16/10, C12Q 1/70, A01K 67/027		A1	(11) International Publication Number: WO 97/40167
			(43) International Publication Date: 30 October 1997 (30.10.97)
(21) International Application Number: PCT/GB97/01087		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU. ARIPO patent (GH, KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).	
(22) International Filing Date: 18 April 1997 (18.04.97)		Published <i>With international search report.</i>	
(30) Priority Data: 9608164.1 19 April 1996 (19.04.96) GB 9702668.6 10 February 1997 (10.02.97) GB			
(71) Applicants (for all designated States except US): Q-ONE BIOTECH LTD. [GB/GB]; Todd Campus, West of Scotland Science Park, Glasgow G20 0XA (GB). IMUTRAN LTD. [GB/GB]; Douglas House, 18 Trumpington Road, Cambridge CB2 2AH (GB).			
(72) Inventors; and (75) Inventors/Applicants (for US only): GALBRAITH, Daniel, Norman [GB/GB]; 26 Don Street, Glasgow G33 2DH (GB). HAWORTH, Christine [GB/GB]; 139 Marlborough Avenue, Broomhill, Glasgow G11 7JE (GB). LEES, Gillian, Margaret [GB/GB]; 5 Kirkvaie Drive, Newton Mearns, Glasgow G77 5HD (GB). SMITH, Kenneth, Thomas [GB/GB]; 5 Kirkvaie Drive, Newton Mearns, Glasgow G77 5HD (GB).			
(74) Agents: McCALLUM, William, Potter et al.; Cruikshank & Fairweather, 19 Royal Exchange Square, Glasgow G1 3AE (GB).			

(54) Title: PORCINE RETROVIRUS

(57) Abstract:

The present invention provides porcine retrovirus (PoEV) polynucleotide fragments, particularly those encoding at least one PoEV expression product, a recombinant vector comprising such a polynucleotide fragment or fragments, use of PoEV polynucleotide fragments in the detection of native PoEV, a host cell containing at least one PoEV polynucleotide fragment or recombinant vector, PoEV polypeptides, antibodies immuno-reactive with PoEV polypeptides, pharmaceutical compositions comprising recombinant PoEV polypeptides for use as prophylactic and/or therapeutic agents and uses of PoEV polynucleotide fragments and/or polypeptides in medicine, including veterinary medicine and in the preparation of medicaments for use in medicine.